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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/762,254	01/23/2004	Masato Ilo	247822US2	5790
22850	7590 03/27/2006		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			BEATTY, ROBERT B	
	MA, VA 22314		ART UNIT	PAPER NUMBER
			2852	
·			DATE MAILED: 03/27/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

<i></i>			<u> </u>			
	Application No.	Applicant(s)				
	10/762,254	ILO, MASATO				
Office Action Summary	Examiner	Art Unit				
	Robert Beatty	2852				
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet	with the correspondence address				
A. SHORTENED STATUTORY PERIOD FOR REI WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 1.136(a). In no event, however, may iod will apply and will expire SIX (6) Mo titute, cause the application to become	IICATION. a reply be timely filed DNTHS from the mailing date of this communic ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 09	9 January 2006.					
'=	This action is FINAL . 2b)⊠ This action is non-final.					
closed in accordance with the practice unde	er <i>Ex parte Quayl</i> e, 1935 C	.D. 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-12 and 18-29</u> is/are pending in the	he application.					
4a) Of the above claim(s) is/are without	drawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-12 and 18-29</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and	d/or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Exam	iner.					
10)☐ The drawing(s) filed on is/are: a)☐ a	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to t	the drawing(s) be held in abey	ance. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the con	•					
11) The oath or declaration is objected to by the	Examiner. Note the attach	ed Office Action or form PTO-15	2.			
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority document 		. § 119(a)-(d) or (f).				
Certified copies of the priority docume	ents have been received in	Application No				
3. Copies of the certified copies of the p	•	en received in this National Stage	9			
application from the International Bur						
* See the attached detailed Office action for a	list of the certified copies n	ot received.				
Attachment(s)	∧ □ <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	v Summery (PTO 442)				
1) Motice of References Cited (PTO-892) 2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper N	v Summary (PTO-413) o(s)/Mail Date				
3) 🗖 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/	(08) 5) ☐ Notice o 6) ☐ Other: _	f Informal Patent Application (PTO-152)				
Paper No(s)/Mail Date		·				

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e,

1. In view of the papers filed 1/9/2006, the inventorship in this nonprovisional application has been changed by the deletion of Mr. Osamu Endou.

The application will be forwarded to the Office of Initial Patent Examination (OIPE) for issuance of a corrected filing receipt, and correction of Office records to reflect the inventorship as corrected.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-12,18-29 are rejected under 35 U.S.C. 102(a) as being anticipated by Umezawa et al. (JP# 2002-182470).

Umezawa teach (translation attached) a developing device comprising a developing roller 11, a toner supply roller 12, a seal member 15, and a toner regulating roller 14 arranged in contact with the developing roller to regulate the toner held on the developing roller. A plurality of developing devices 5Bk, 5C, 5Y, 5M can be pivoted into and out of engagement with a photosensitive belt 1 depending on whether a developing operation is to be performed. When a particular developing device is pivoted into engagement with the photosensitive belt to start a developing operation the developing roller will rotate in a counterclockwise direction to apply toner to the belt while the regulating roller 14 is locked in

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position. When it is pivoted away during a non-image forming operation, the developing roller rotates in a clockwise manner while the regulating roller freely rotates therewith for a predetermined time period. During a non-image forming operation, the developing roller will not have any toner adhered thereto. Since the developing roller is larger than the regulating roller, the rotation number of the developing roller will be smaller than the regulating roller. The developing roller/regulating roller rotation can also occur at the start of powering up the printer (setup) or if the time between image formations is longer than a predetermined time period (see paragraphs 46-50). It is contemplated to perform a reverse rotation subsequently followed by a forward rotation as a modification of the rotation of developing roller (see paragraphs 55-56).

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Endoh et al. '674, Yoshizawa, Endoh et al. '506, Aoki et al., JP# 2002-311707, Iio (JP '380), and Iio (JP'908) teach various developing device having roller regulating means.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Robert Beatty whose telephone number is (571) 272-2130. The examiner can normally be reached on M-F from 9 to 6.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur Grimley, can be reached on (571) 272-2136. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Robert Beatty **Primary Examiner**

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